BLAUPUNKT

AUTORADIO

EU
T-Line 2

Lausanne CD31
7 641 172 310

8 622 402 936 BN-ST 05/01

Schaltbild • Circuit diagram

CLASS 1
LASER PRODUCT

UNSICHTBARE LASERSTRAHLUNG
NICHT DEM STRAHL AUSSETZEN
LASERKLASSE 3B

(D) VORSICHT!

Die Geräte beinhalten eine Laserkomponente! Im Servicefall bitte nachfolgende Hinweise beachten:

- Das Gerät arbeitet mit unsichtbarem Laserstrahl.
- Bei geöffnetem Gerät tritt im Bereich des Plattenfaches Laserstrahlung aus.
- Nicht in den Strahl blicken.
- Unbeteiligte Personen vom Arbeitsplatz fernhalten.
- Der Betrachtungsabstand darf 13 cm nicht unterschreiten.
- Kann dies nicht eingehalten werden, muß eine geeignete Laserschutzbrille getragen werden.

(GB) CAUTION!

The CD units are equipped with a laser component! For servicing make sure to observe the following instructions:

- The unit operates with invisible laser beams.
- When the cover is removed, invisible laser beams are emitted near the disc compartment.
- Avoid direct eye contact with these beams.
- Keep unauthorised persons away from the workbench.
- The viewing distance should not be less than 13 cm.
- If this distance cannot be kept, use suitable laser safety goggles.

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REMARK : * = "Section/Component In Use"

	T-LINE 2								FUNLINE III			
	Cleveland DJ31 Dresden C31	Boston C31 Madison DJ31	Freiburg C31 Las Vegas DJ31	Canberra C31 San Diego DJ31	Essen CD31	Alicante CD31 Lausanne CD31	Konstanz CD31	San Remo CD31 Santa Cruz CD31	Düsseldorf C51 Kansas DJ51	Bologna C51 Hawaii DJ51 Maryland DJ51	München CD51	Modena CD51
AM		X		X		X		X		X		X
CASSETTE PREAMP	X	X										
CASS-MUTE	X	X										
TN708 INTERFACE			X	X					X	X		
CD BUFFER					X	X	X	X			X	X
S800									X	X	X	X
H1091,R1091 & V1091									X	X	X	X
DIMMER									X	X	X	X
D5300	BC369	BC369	BC369	BC369	LM317T	LM317T	LM317T	LM317T	BC369	BC369	LM317T	LM317T
V2010	BC369	BC369	BC369	BC369	BD436	BD436	BD436	BD436	BC369	BC369	BD436	BD436
TEL input			X	X			X	X	X	X	X	X
R5302/R5303					X	X	X	X			X	X
R1300	X	X	X	X					X	X		
R5304	3,3K	3,3K	3,3K	3,3K	470R	470R	470R	470R	3,3K	3,3K	470R	470R
R5305	3,3K	3,3K	3,3K	3,3K					3,3K	3,3K		
R5306					X	X	X	X			X	X
R5307					X	X	X	X			X	X
R1304	68K	68K	68K	68K	10R	10R	10R	10R	68K	68K	10R	10R
R1305	X	X	X	X					X	X		
R1301/R1302/R1303	X	X										
X1300	X	X										
R5207/5208/5209					X	X	X	X			X	X
L5200/X5200					X	X	X	X			X	X
C304/R306/R307/R326		X		X		X		X		X		X
D5301/C840					X	X	X	X			X	X
R840/R841	X	X	X	X					X	X		
C2040	47uF	47uF	47uF	47uF	2200uF	2200uF	2200uF	2200uF	47uF	47uF	2200uF	2200uF
R1505/R1506	OPEN	OPEN	10K	10K	10K	10K	10K	10K	10K	10K	10K	10K
R2036..... R2040					X	X	X	X			X	X
R2015/R2017/V2022		X		X		X		X		X		X

RAW MAIN PCB 8 638 214 604

MODEL PART NUMBER PRODUCT CODE	COMPONENT USED TO INDICATE VARIOUS MODEL
T2 CD15(D) = 8 638 204 601 (7 641 171 310)	R3200 0
T2 CD 15(E) = 8 638 204 602 (7 641 172 310)	R3201 0
T2 CC 20(D) = 8 638 204 597 (7 641 115 510)	R3202 0
T2 CC 20(E) = 8 638 204 598 (7 641 120 510)	R3203 0
T2 CD 20(D) = 8 638 204 603 (7 641 155 310)	R3204 0
T2 CD 20(E) = 8 638 204 604 (7 641 160 310)	R3205 0
T2 CC 30(D) = 8 638 204 599 (7 641 140 510)	R3206 0
T2 CC 30(E) = 8 638 204 600 (7 641 145 510)	R3207 0

F3 CC 20(D) = 8 638 204 582 (7 641 205 310)
F3 CC 20(E) = 8 638 204 583 (7 641 210 310)
F3 CC 20(D) = 8 638 204 585 (7 641 255 310)
F3 CC 20(E) = 8 638 204 586 (7 641 260 310)

COMMON TEST JIG FOR
PCB8638213269 & PCB8638213259

MP1 MP375 MP376 MP1111 MP1121 GP1 GP2 GP3

DUMMY TEST PAD

PK10 PK20 PK30 PK40 PK50 PK60
PK150 PK160 PK170U PK180
PK1U PK2U PK3U PK1
PK15U PK16U PK17U PK18U

HAUPTPLATTE
MAIN BOARD

Blockschaltbild
Block diagram

SW_ON
MUTE
PEAK_LEVEL

TUNER
EMPFAENGER

AUD–SIG–PROC
AUD–SIG–VERARB

PROCESSOR
PROZESSOR

RDS–MPX

F–REF
AF–SAMPLE
AF–HOLD
AM–NF
RDS–MPX
FM–MPX
SDA–NICE
SCL–NICE
LEVEL

AUDIO–SIGNAL–PROCESSING
AUD–SIGNAL–VERARBEITUNG

F–REF
AF–SAMPLE
AF–HOLD
AM–NF
RDS–MPX
FM–MPX
SDA–NICE
SCL–NICE
LEVEL

TUNER

POWER–AMPLIFIER
AUDUO–ENDSTUFE

LF
LR
RF
RR

PROCESSOR
PROZESSOR

AUD_L
AUD_R
CD_L
CD_R
FF/FR
SCL
SDA
TR1/2
WAKE_UP/CASS_MUTE
BEEP

INTERFACE
SCHNITTSTELLE

AUX_L
AUX_R
TEL_AF–
TEL_AF+

POWER AMPLIFIER
AUDIO–ENDSTUFE

PROCESSOR
PROZESSOR

PEAK_LEVEL
MUTE
SW_ON

LF
LR
RF
RR

AUD–SIG–PROC
AUD–SIG–VERARB

POWER–SUPPLY
STROMVERSORGUNG

RR+
RF+
LR+
LF+
UNDERVOLTAGE_INT

INTERFACE
SCHNITTSTELLE

LF+
LF–
LF_OUT
LR+
LR–
LR_OUT
RF+
RF–
RF_OUT
RR+
RR–
RR_OUT

TEL_AF+
TEL_AF–
AUX_R
AUX_L

AUD–SIG–PRO
AUD–SIG–VERARB

POWER–AMPLIFIER
AUDIO–ENDSTUFE

INTERFACE
SCHNITTSTELLE

TXD
TEL_MUTE
SCI_SEL
RXD
IR_REMOTE
IC
CAL
DATA_OUT
DATA_IN
DIMMER

PROCESSOR
PROZESSOR

POWER – SUPPLY
STROMVERSORGUNG

B+
SWITCH_14V

UNDERVOLTAGE_INT
LF+
LR+
RF+
RR+

INTERFACE
SCHNITTSTELLE

POWER–AMPLIFIER
ENDSTUFE

B+
SWITCH_14V

PROCESSOR
PROZESSOR

RDS–MPX

TUNER

INTERFACE
SCHNITTSTELLE

PEAK_LEVEL
MUTE
SW_ON

POWER–AMPLIFIER
AUDIO – ENDSTUFE

CC_MOTOR_ON/RESET_CD
UNDERVOLTAGE_INT
WATCH_DOG
SW_ON_1
U_LAMP
U52_ON
U142_ON
RESET
LAMP_ON
AM/FM

POWER–SUPPLY
STROMVERSORGUNG

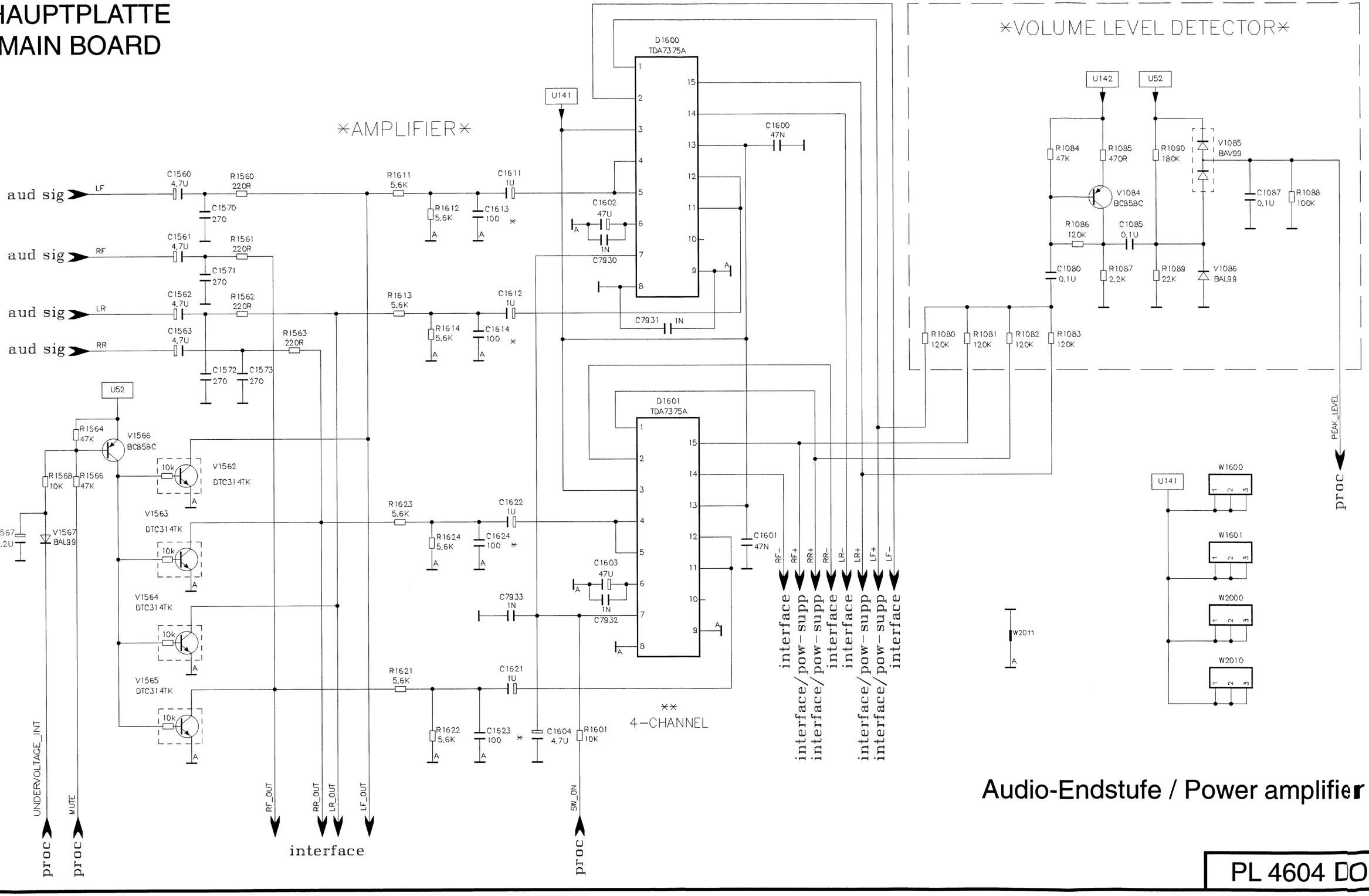
POWER–SUPPLY
STROMVERSORGUNG

CC_MOTOR_ON/RESET_CD
UNDERVOLTAGE_INT
WATCH_DOG
SW_ON_1
U_LAMP
U52_ON
U142_ON
RESET
LAMP_ON
AM/FM

PROCESSOR
PROZESSOR

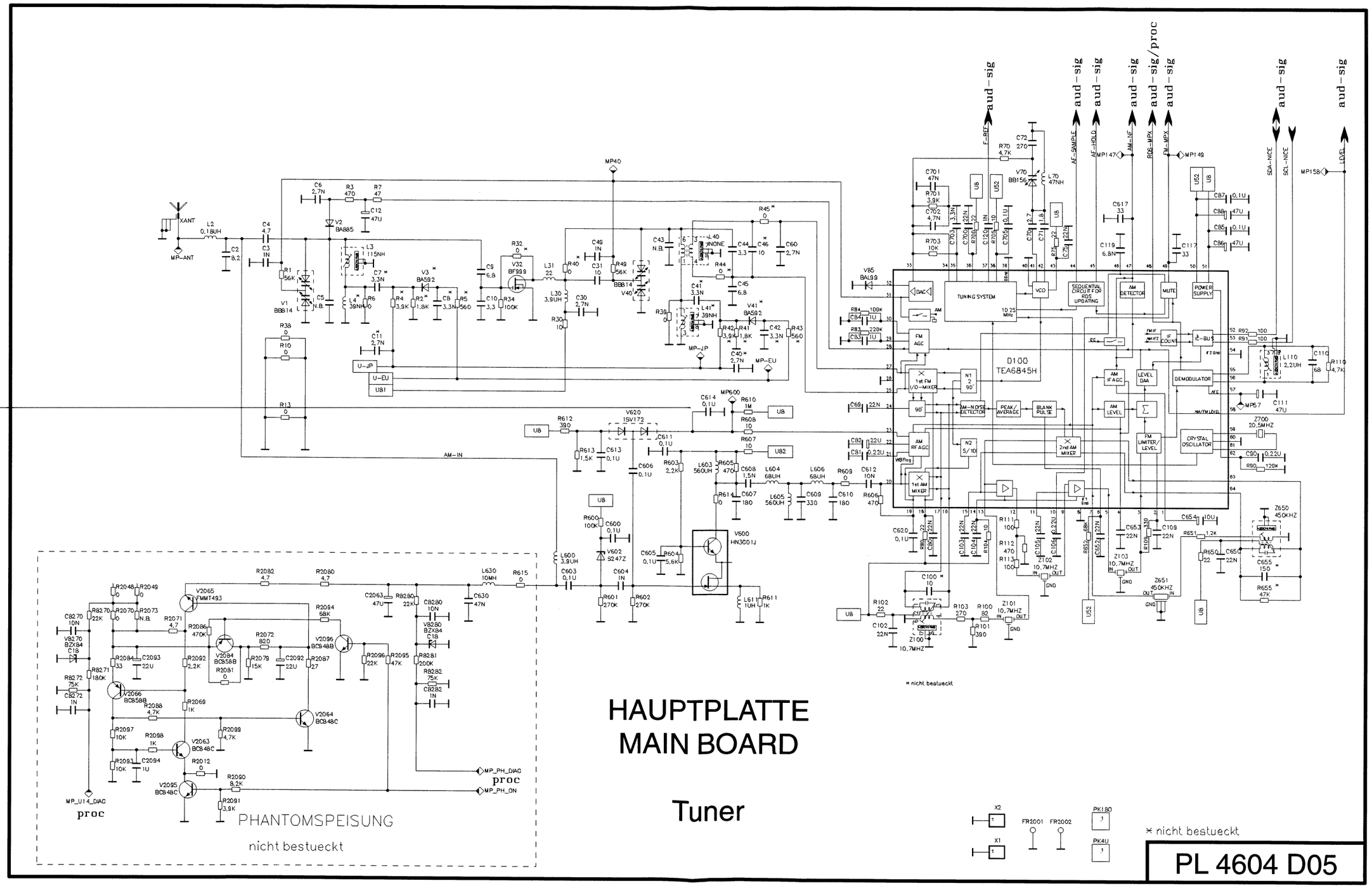
PL 4604 D05

HAUPTPLATTE
MAIN BOARD



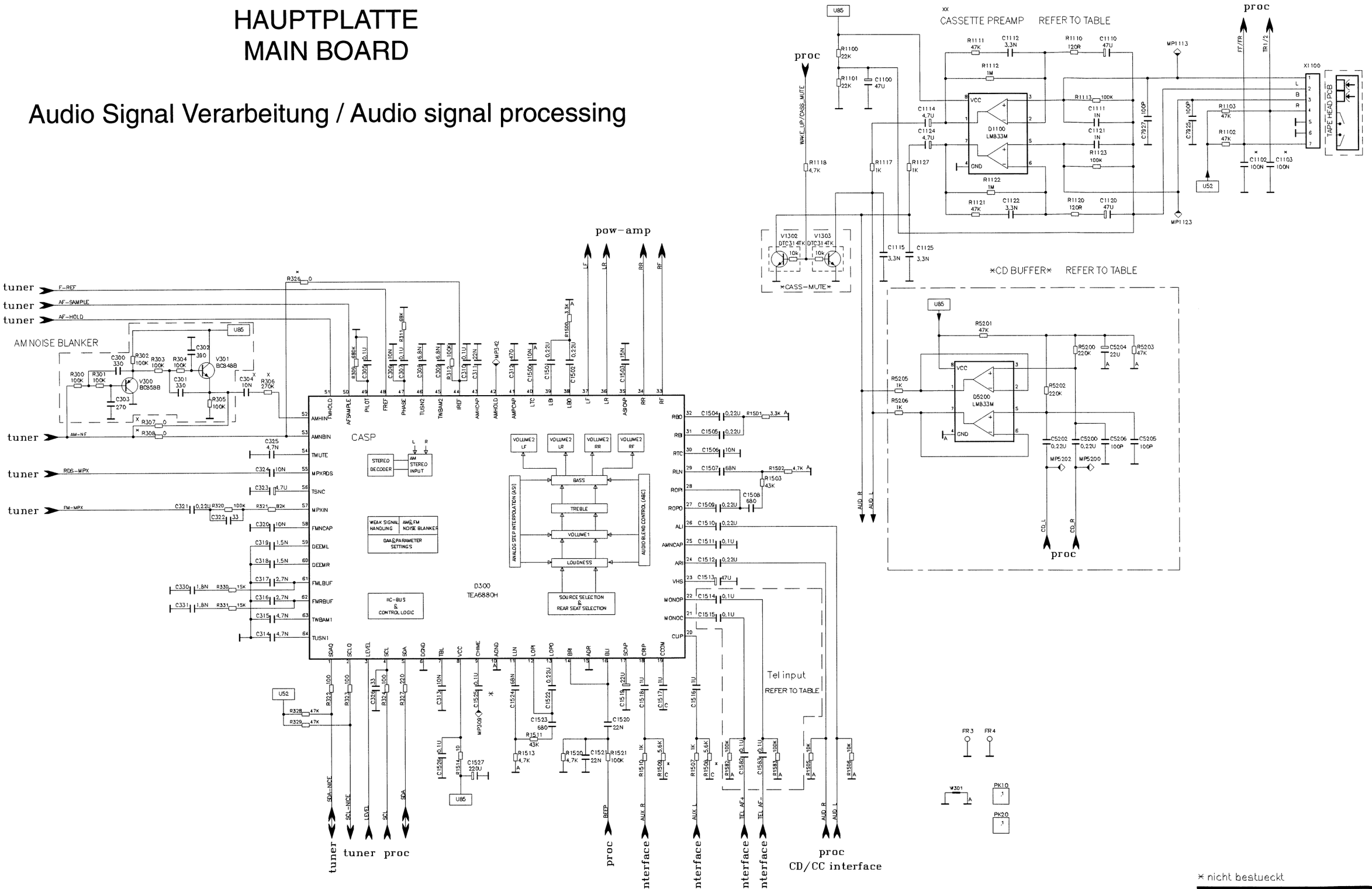
Audio-Endstufe / Power amplifier

PL 4604 DO5


aud-sig
F-REF
AF-SAMPLE
AF-HOLD
AM-NF
RDS-MPX
FM-MPX
SDA-NICE
SCL-NICE
LEVEL
MP40
MP-ANT
MP-UP
MP-EU
U-UP
U-EU
U81
AM-IN
MP600
MP147
MP148
MP149
MP158
MP57
D100
TEA6845H
TUNING SYSTEM
VCO
SEQUENTIAL CIRCUIT FOR RDS UPDATING
AM DETECTOR
MUTE
POWER SUPPLY
DEMODULATOR
I²C-BUS
LEVEL DAA
AM IFAGC
AM LEVEL
FM LIMITER/ LEVEL
CRYSTAL OSCILLATOR
FM AGC
1st FM I/Q-MIXER
AM-NOISE DETECTOR
PEAK/ AVERAGE
BLANK PULSE
AM RFAGC
1st AM MIXER
2nd AM MIXER
PHANTOMSPEISUNG
nicht bestueckt
HAUPTPLATTE
MAIN BOARD
Tuner
* nicht bestueckt
PL 4604 D05

HAUPTPLATTE
MAIN BOARD

Audio Signal Verarbeitung / Audio signal processing



* nicht bestueckt

PL 4604 D05

HAUPTPLATTE
MAIN BOARD

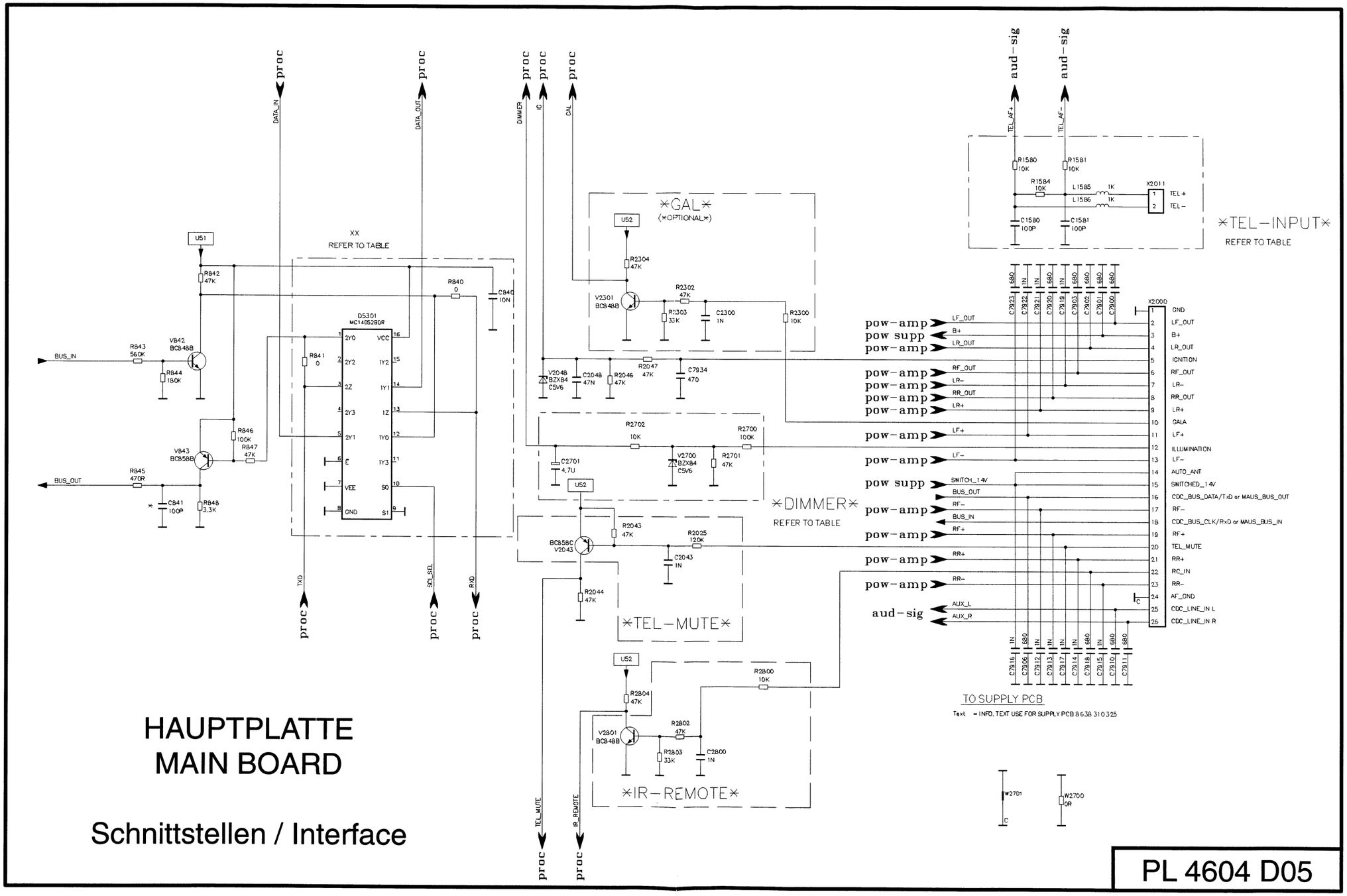
Prozessor / Processor

PL 4604 D05

HAUPTPLATTE
MAIN BOARD

Stromversorgung / Powersupply

PL 4604 D05

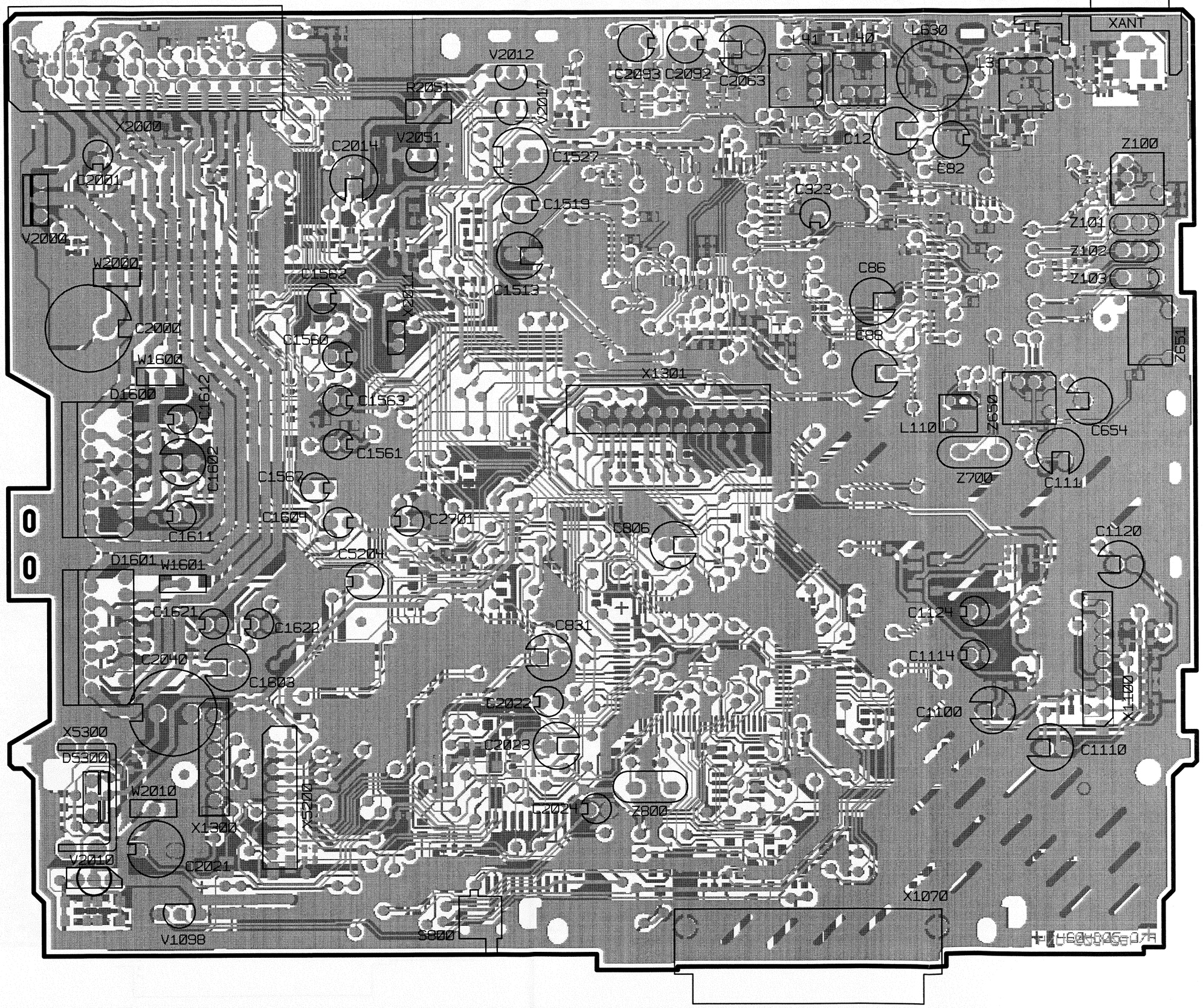


HAUPTPLATTE
MAIN BOARD

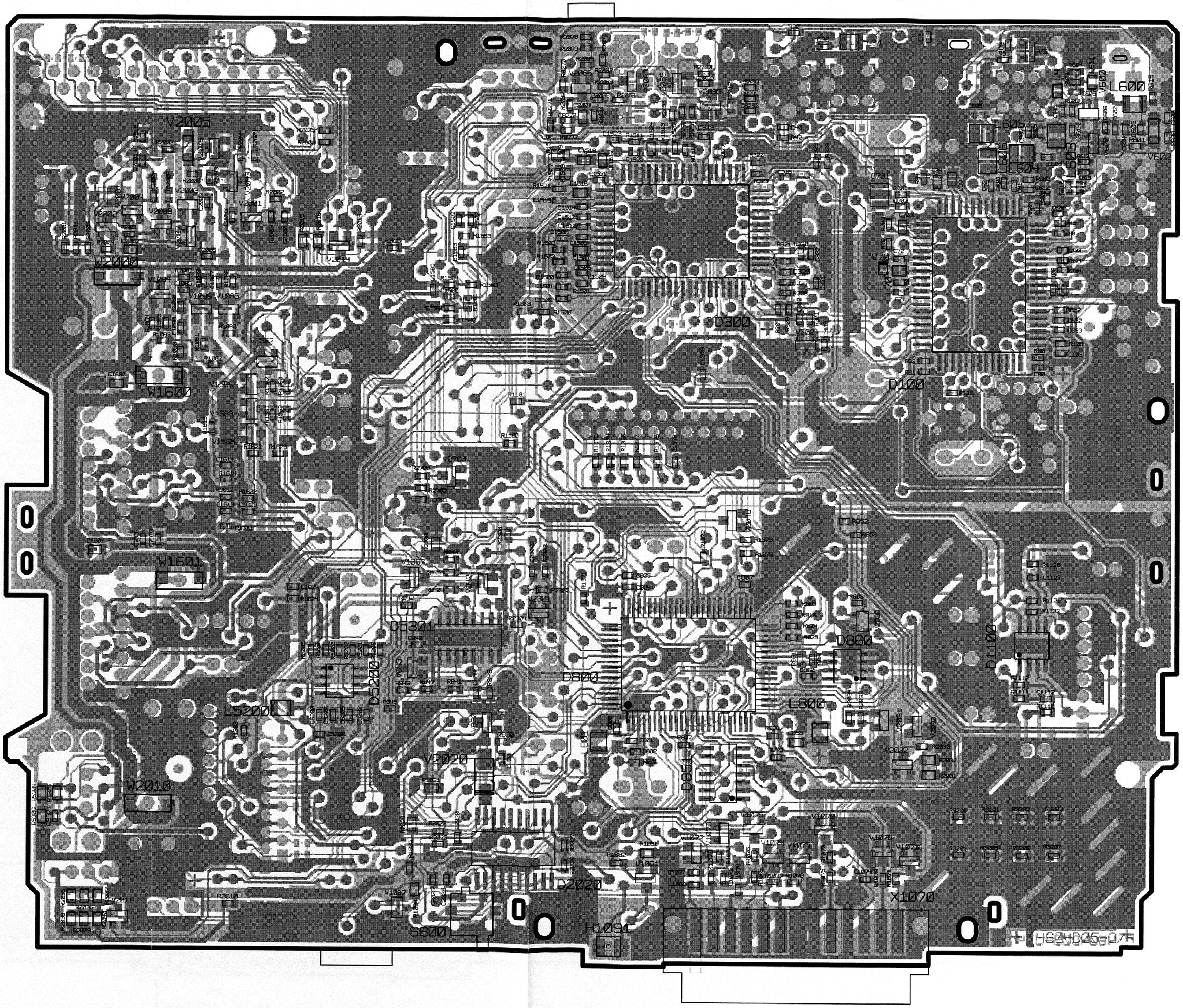
Schnittstellen / Interface

PL 4604 D05

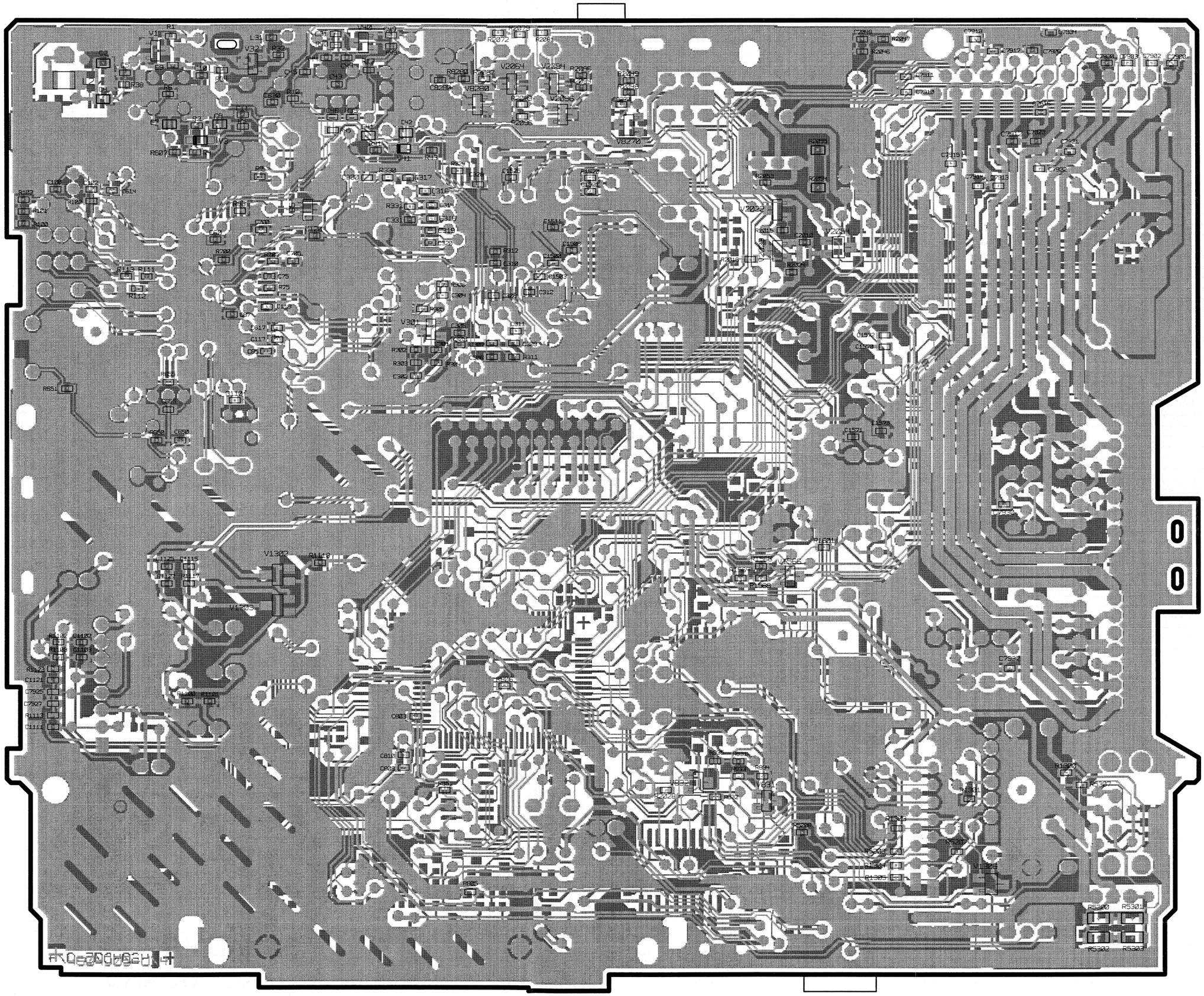
Hauptplatte
Main board
PL 4604 D05



Hauptplatte
Main board
PL 4604 D05
Chip



Hauptplatte
Main board
PL 4604 D05
Chip



D1000
TMP87PP23F

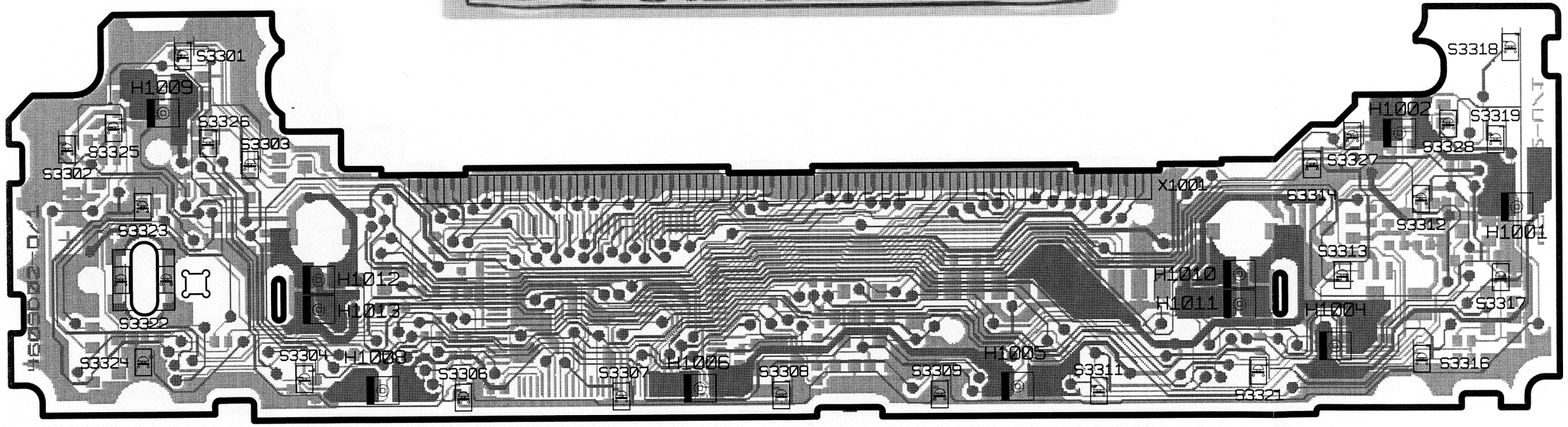
X1001

	RAW 8 638 214 609		
	8 638 204 609	8 638 204 610	8 638 204 611
R1051,R1048	33R	/	/
R1047	33R	100R	100R
H1014,H1015	LAMP	/	/
H1010,H1011,H1012,H1013	/	WHITE LED	BLUE LED
V1015,R1049	/	YES	YES
H1001,H1002,H1004,H1005,H1006,H1008,H1009	YELLOW	RED	RED

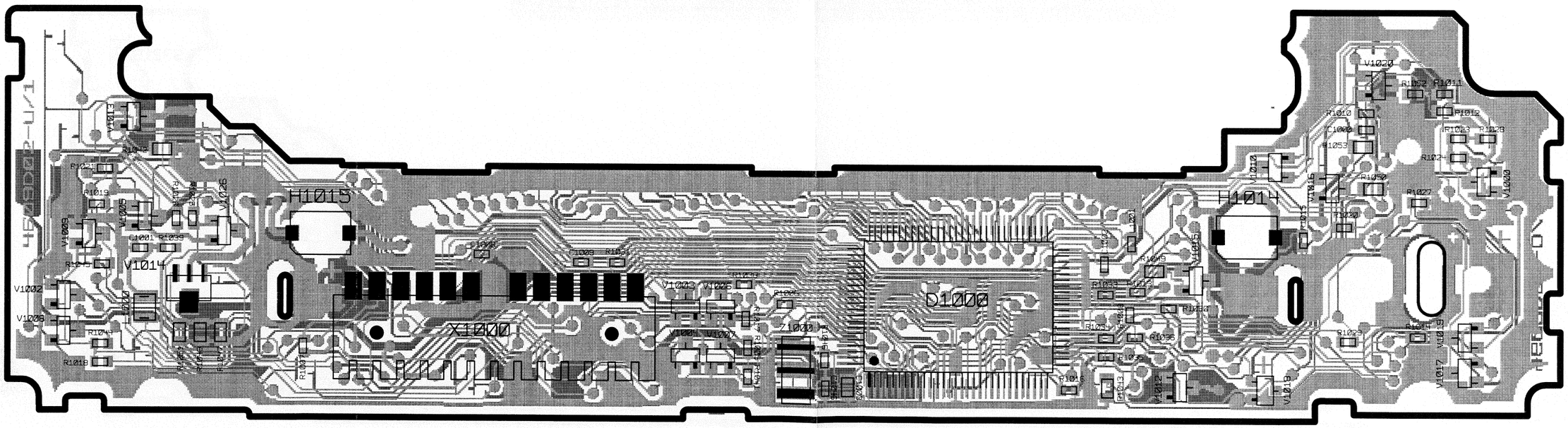
SCHALTERPLATTE
KEY BOARD

PL 4609 D02

Schalterplatte
Key board
PL 4609 D02
+Chip



Schalterplatte
Key board
PL 4609 D02
Chip



CD LAUFWERK BP4
CD MECHANISM BP4

Steuerplatte

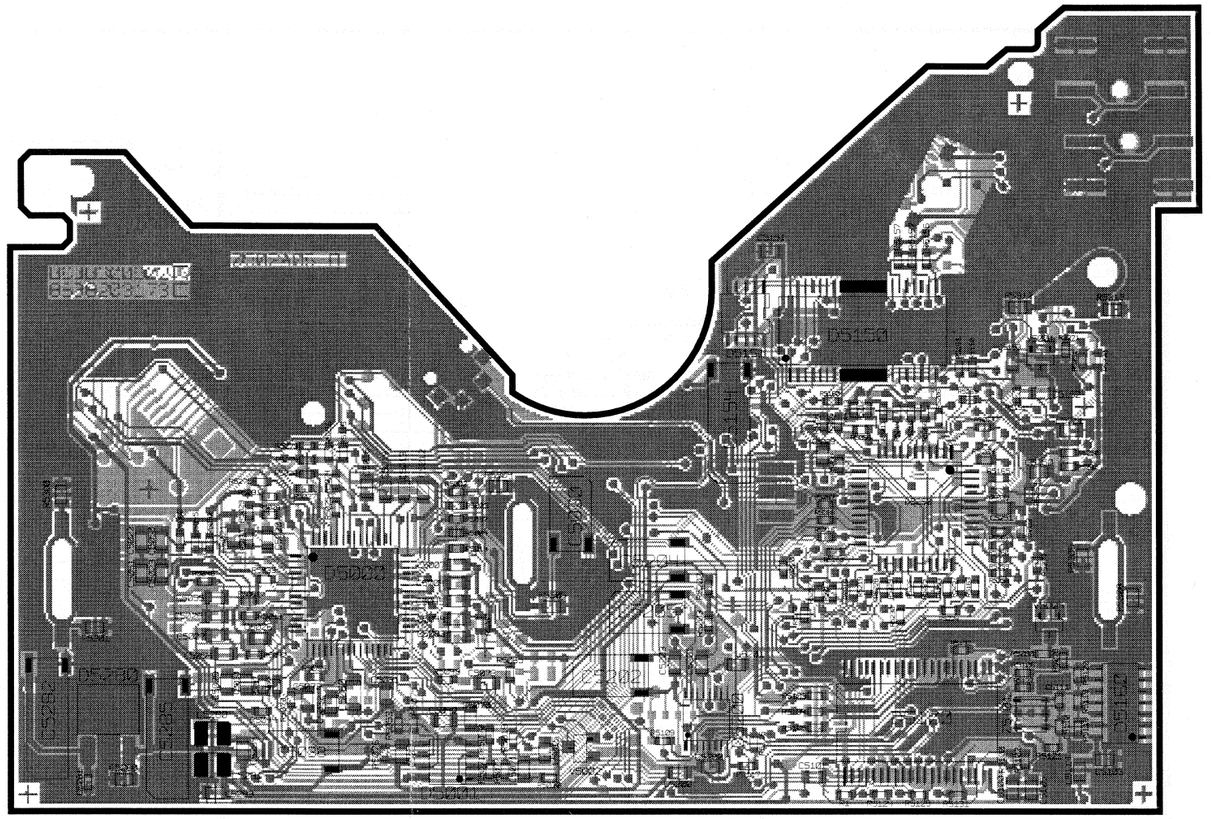
Variantenbestueckung der D3173 Steuerplatte BP4 D	
A = nicht bestueckt	D = 10K
B = 0 Ohm (Bruecke)	E = 22p
C = 6,8p	

PL 0902 A06

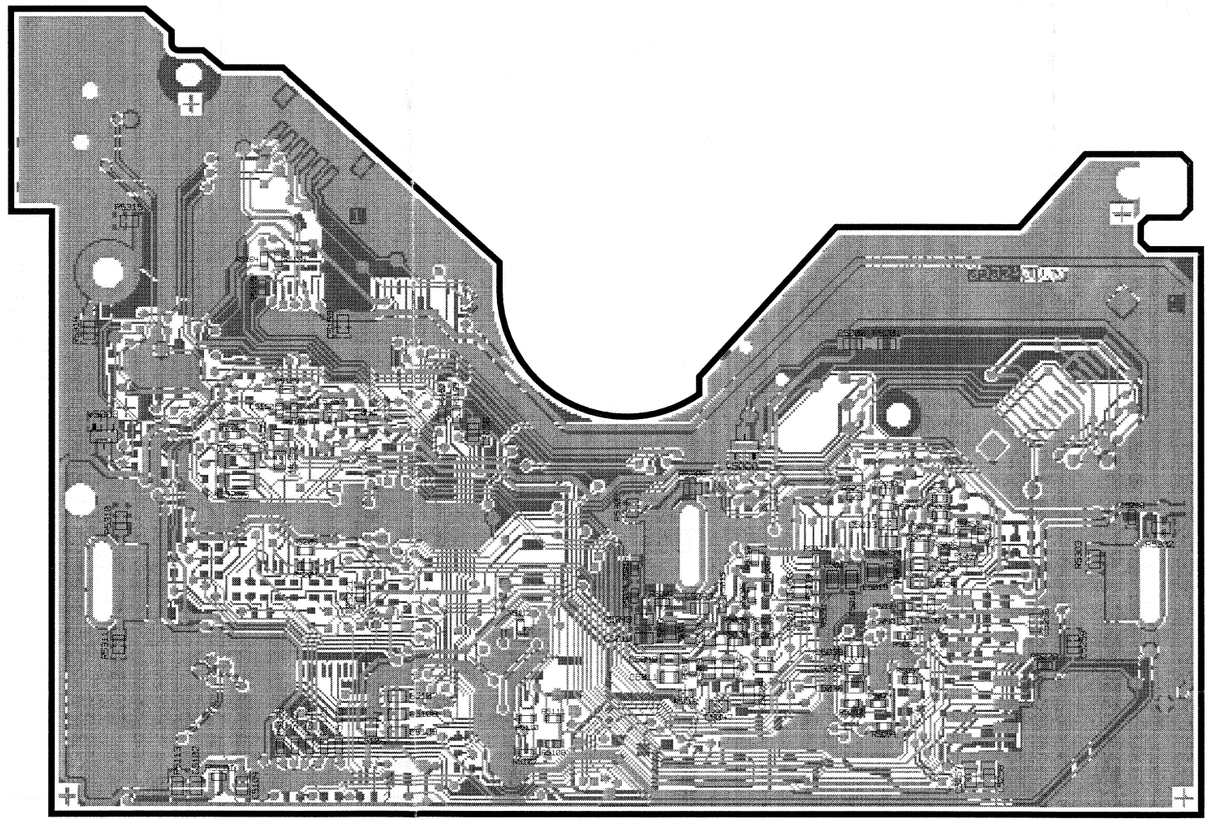
TO PICK-UP

HAUPTPLATTE
MAIN BOARD

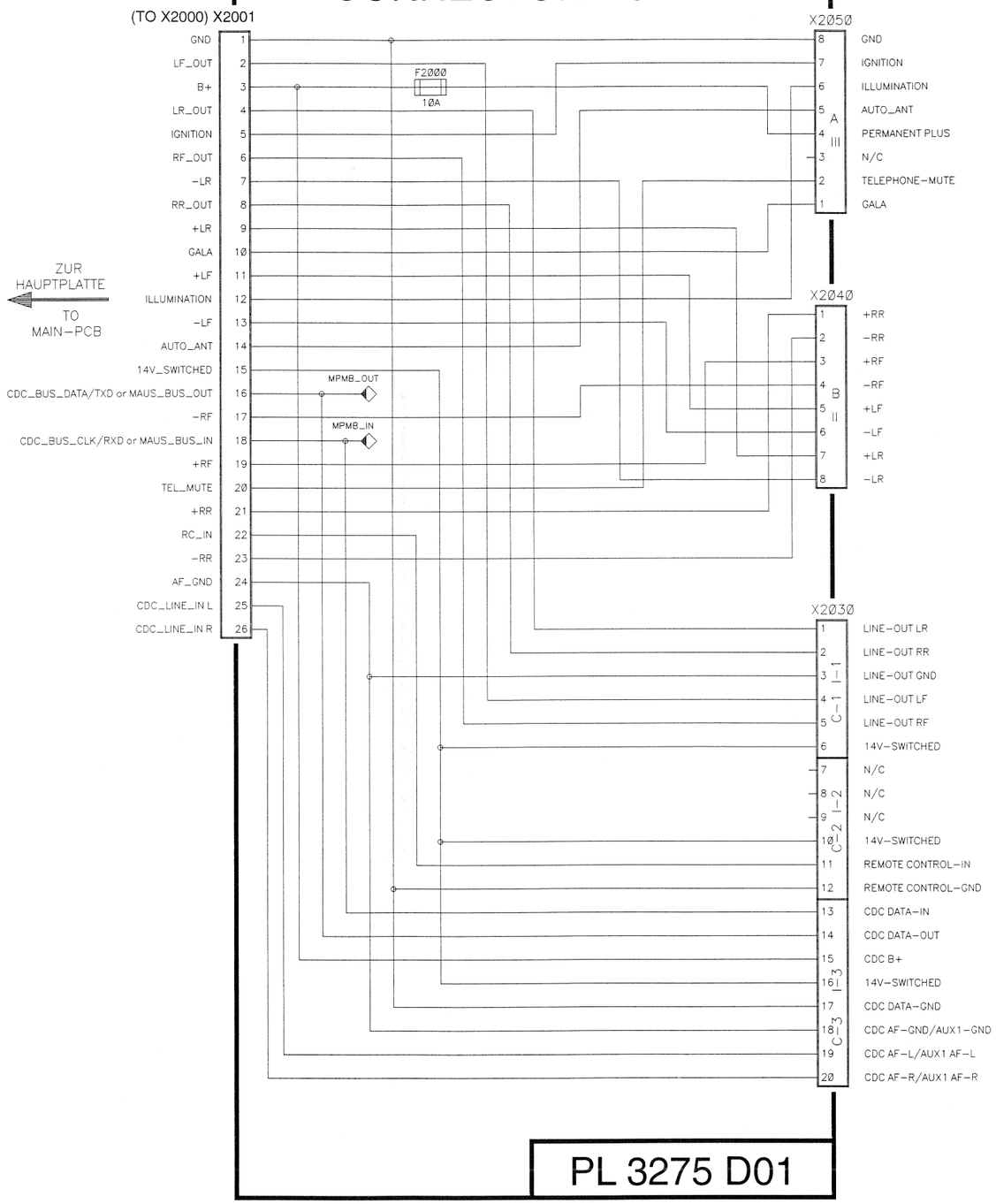
BP4-Steuerplatte
BP4 Control board
PL 0902 A06
Chip



BP4-Steuerplatte
BP4 Control board
PL 0902 A06
Chip



ANSCHLUSSPLATTE
CONNECTOR BOARD



PL 3275 D01

Anschlußplatte
Connector board
PL 3275 D01